

A

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

TERRELL C. BIRCH  
RAYMOND C. STEWART  
JOSEPH A. KOLASCH  
JAMES M. SLATTERY  
BERNARD L. SWEENEY\*  
MICHAEL K. MUTTER  
CHARLES GORENSTEIN  
GERALD M. MURPHY, JR.  
LEONARD R. SVENSSON  
TERRY L. CLARK  
ANDREW D. MEIKLE  
MARC S. WEINER  
JOE MCKINNEY MUNCY  
ROBERT J. KENNEY  
DONALD J. DALEY  
JOHN W. BAILEY  
JOHN A. CASTELLANO, III

**INTELLECTUAL PROPERTY LAW**  
**8110 GATEHOUSE ROAD**  
**SUITE 500 EAST**  
**FALLS CHURCH, VA 22042-1210**  
**USA**

(703) 205-8000

FAX: (703) 205-8050  
(703) 698-8590 (G IV)

e-mail: [mailroom@bskb.com](mailto:mailroom@bskb.com)  
web: <http://www.bskb.com>

**CALIFORNIA OFFICE**  
**650 TOWN CENTER DRIVE, SUITE 1120**  
**COSTA MESA, CA 92626-7125**

GARY D. YACURA  
THOMAS S. AUCHTERLONIE  
MICHAEL R. CAMMARATA  
JAMES T. ELLER, JR.  
SCOTT L. LOWE  
MARY ANN CAPRIA  
MARK J. NUELLE, PH.D.  
DARIN E. BARTHOLOMEW\*  
D. RICHARD ANDERSON  
PAUL C. LEWIS  
W. KARL RENNER  
MARK W. MILSTEAD\*  
JOHN CAMPA\*  
  
REG. PATENT AGENTS:  
FREDERICK R. HANDREN  
ANDREW J. TELESZ, JR.  
MARYANNE ARMSTRONG, PH.D.  
MAKI HATSUMI  
MIKE S. RYU  
CRAIG A. McROBBIE  
GARTH M. DAHLEN, PH.D.  
LAURA C. LUTZ  
ROBERT E. GOOZNER, PH.D.  
HYUNG N. SOHN  
MATTHEW J. LATTIG  
ALAN PEDERSEN-GILES  
JUSTIN D. KARJALA

OF COUNSEL:  
HERBERT M. BIRCH (1905-1996)  
ELLIOT A. GOLDBERG\*  
WILLIAM L. GATES\*  
EDWARD H. VALANCE  
ROBERT J. BRADY (RET.)\*  
ADMITTED TO A BAR OTHER THAN VA.

Date: February 8, 2000  
Docket No.: 1982-0143P

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): MISAWA, Takeshi

For: DIGITAL CAMERA AND METHOD OF RECYCLING DIGITAL CAMERA

Enclosed are:

X A specification consisting of 21 pages

X 4 sheet(s) of Formal drawings

X An assignment of the invention

X Certified copy of Priority Document(s)

X Executed Declaration X Original      Photocopy

     A verified statement to establish small entity status under 37  
CFR 1.9 and 37 CFR 1.27

     Preliminary Amendment

X Information Disclosure Statement, PTO-1449 and reference(s)

Other \_\_\_\_\_

The filing fee has been calculated as shown below:

LARGE ENTITY				SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE FEE		RATE FEE
BASIC FEE	***** ***** *****	***** ***** *****	***** ***** \$690.00 *****	or	**** **** \$345.00 ****
TOTAL CLAIMS	20 - 20 =	0	x18 =\$ 0.00	or	x 9 = \$ 0.00
INDEPENDENT	3 - 3 =	0	x78 =\$ 0.00	or	x 39 = \$ 0.00
MULTIPLE DEPENDENT CLAIM PRESENTED _____			+260 = \$ 0.00	or	+130 = \$ 0.00
TOTAL \$ 690.00				TOTAL \$ 0.00	

X A check in the amount of \$ 730.00 to cover the filing fee and recording fee (if applicable) is enclosed.

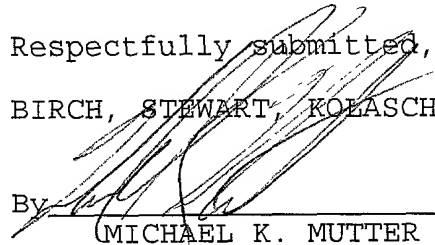
\_\_\_\_\_ Please charge Deposit Account No. 02-2448 in the amount of \$ \_\_\_\_\_. A triplicate copy of this transmittal form is enclosed.

\_\_\_\_\_ No fee is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By  \_\_\_\_\_

MICHAEL K. MUTTER

Reg. No. 29,680

P. O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000  
MKM/wjd

# DIGITAL CAMERA AND METHOD OF RECYCLING DIGITAL CAMERA

## BACKGROUND OF THE INVENTION

### Field of the Invention

The present invention relates to a digital camera, and in particular, to a digital camera in which a communication section which outputs image data to an external device is provided, and to a method of recycling a digital camera.

### Description of the Related Art

At present, digital cameras with an infrared communication function which can perform data communication with an external device, such as a computer or the like, by using infrared radiation, have been used.

As disclosed in Japanese Patent Application Laid-Open (JP-A) No. 9-149315, when an image which was photographed is transmitted to a personal computer or the like as digital data, it is not necessary to connect the digital camera and a personal computer with a predetermined cable, and the image data is

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

## SUMMARY OF THE INVENTION

Accordingly, in order to solve the above-described problems, an object of the present invention is to provide a digital camera in which, by covering a communication section of the digital camera with a protecting means or cover, the communication section can be protected and the image data can be taken out normally. Moreover, the present invention relates to a method of recycling a digital

camera in which, after image data is taken out from a communication section of a digital camera, by covering the communication section once again with the protecting means, the digital camera can be used again.

A first aspect of the present invention is a method of recycling a digital camera comprising: a communication section which outputs image data to an external device; and protecting means which covers the communication section and which is removed at times when the image data is output, wherein, after the protecting means is removed and the image data is taken out from the communication section, the communication section is once again covered by the protecting means.

In accordance with this structure, after the protecting means is removed and the image data is taken out from the communication section, by covering the communication section once again with the protecting means so as to return the digital camera to its original state, the digital camera can be recycled easily. As a result, the costs of the digital camera, such as the manufacturing cost, can be reduced.

A second aspect of the present invention is a digital camera comprising: a communication section which outputs image data to an external device, and protecting means or a protecting cover which

covers the communication section and is removed at times when the image data is output.

In accordance with this structure, by covering the communication section, which outputs the image data to an external device, with the protecting means or cover, the communication section can be protected. Therefore, the user can be prevented from touching the communication section, and the communication section will not be dirtied or damaged. Moreover, when data communication with an external device is carried out, if the protecting means is removed, accurate image data can be taken out from the communication section.

In the present invention, the protecting means preferably covers the communication section and charging terminals for charging a power source.

In accordance with this structure, by covering, with the protecting means or cover, the communication section and the terminals for charging the power source, the charging terminals are not dirtied or damaged. Therefore, the function of the charging terminals can be maintained.

In the present invention, the protecting means is preferably elastic.

[illegible][illegible][illegible][illegible][illegible]





Fig. 4 is a block diagram which shows the structure of the digital camera of the present invention.

#### DESCRIPTION OF THE PREFERRED EMBODIMENTS

A digital camera relating to an embodiment of the present invention will be described hereinafter with reference to the accompanying drawings. Fig. 1A and 1B are exterior structural views which show the exterior of the digital camera.

As illustrated in Fig. 1A, a digital camera 10 of the present embodiment is formed of a camera body 12 which photographs a subject and stores image data, and an infrared communication device 14 which performs data communication with an external device (not illustrated) such as a computer on the basis of the stored image data.

The contour of the camera body 12 is formed in the shape of a box. A photographing lens 16 is provided at the front surface of the camera body 12 at a position somewhat toward the right (in Fig. 1A) of the center. Moreover, a guide rail 18 is formed in the top surface of the camera body 12. As illustrated in Fig. 1B, a lens cover 20 which protects the photographing lens 16 slides along this guide rail 18 in the direction of A and in the direction opposite thereto. Further, by opening and

closing the lens cover 20, a power switch is turned ON/OFF. Therefore, the lens cover 20 also serves as a power switch.

Further, a shutter button 22 is provided in the top surface of the camera body 12. By pressing the shutter button 22, image data is stored in a memory 24 (see Fig. 4) which will be described later. Moreover, in the upper side of the front face of the camera body 12, an optical finder 26 is provided. Next to the optical finder 26 (in the present embodiment, at the right side of the optical finder 26), a flash 28 which emits supplementary light is provided.

As shown in Fig. 2, the infrared communication device 14 is formed integrally with the camera body 12, and, in the same way as the camera body 12, is formed in the shape of a box. In the front face of the infrared communication device 14, a window 30, which serves as a communication section which sends image data stored in the memory 24 to a computer, is provided. Moreover, charging terminals 32 for charging a power source are provided beneath the window 30.

As shown in Fig. 3, a "seal broken" mark 34, which is a sticker on which the words "seal broken" have been printed, is firmly adhered to the bottom surface of the infrared communication device 14. Further, although not illustrated, the words "seal broken" may be directly



008020-42200560

the power source, it is also possible to maintain the function of the charging terminals 32.

Further, by covering the "seal broken" mark 34 (indicating means), once the protection film 36 is removed, the "seal broken" mark 34 printed "seal broken" will be exposed. Therefore, in particular, in a case in which the digital camera 10 is lost, it can be ascertained whether or not internal data was read or written arbitrarily by strangers, and the reliability of the internal data can be confirmed easily.

Moreover, at regular times (at times when the protection film 36 is attached), the "seal broken" mark 34 is not exposed at the surface (body) of the digital camera 10, and is first exposed when the protection film 36 is removed. Therefore, the degrees of freedom in design of the digital camera 10 can be improved.

Further, the "seal broken" mark 34 does not necessarily have to be provided at the bottom surface of the infrared communication device 14. Provided that the "seal broken" mark 34 is covered by the protective film 36, the "seal broken" mark 34 may be provided at the top surface or a side surface of the infrared communication device 14. Further, even if the "seal broken" mark 34 is not covered by the protective film 36, for example, instead of a "seal broken" mark 34, a mark on which the words



a power source; and the charging terminals 32 for charging the power source.

Further, a laser printer section 60 and an output section including a processor section 62 are provided at the exterior of the infrared communication device 14. The laser printer section 60 records an image onto a photographic printing paper on the basis of the image data transmitted from the infrared communication device 14. The processor section 62 carries out various processings such as color development and the like on the photographic printing paper onto which an image has been recorded by the laser printer section 60.

Next, operation of the digital camera of the present embodiment will be described.

When the lens cover 20 is opened, the required power is supplied from the secondary battery 58 to respective sections of the digital camera 10 represented by blocks in the block diagram of Fig. 4. Then, at times when the degree of illumination is low, the flash 38 is used to provide supplementary light. When a shutter switch 54 is pressed, the reflected light which is reflected from the subject is incident on the photographing lens 16 and the shutter/aperture mechanism 40, and is focalized on the image pick-up device 44. Here, the shutter of the

shutter/aperture mechanism 40 is a mechanical shutter and prevents light from hitting and smears from being generated when a signal is read from the pick-up device 44. Moreover, the aperture of the shutter/aperture mechanism 40 is formed by the electronic shutter of the image pick-up device 44 and a mechanical shutter, and controls the amount of exposure to light on the image pick-up device 44.

Then, the image pick-up device 44 is driven by a photographing device driver (not illustrated) at a timing generated by a timing generating circuit (not illustrated), and outputs an image signal which is image data. Further, depending on the driving voltage conditions of the image pick-up device 44, the photographing device driver may be unnecessary.

After the image signal is subjected to signal processing at the analog signal processing section 46, at the A/D converting section 48, the image signal is converted to a digital signal. At a digital signal processing section 50, the signal is again subjected to signal processing and is stored in the memory 24. Further, when the image data is compressed and stored, compression is carried out at the digital signal processing section 50 or at the CPU 52.

Next, when the image data stored in the memory 24 is to be taken out, the protection film 36 adhered to the infrared communication device 14 and covering the window 30 is removed. Thereafter, due to a driving instruction from the CPU 52, the image data stored in the memory 24 is illuminated as infrared light from the window 30 toward an external device, such as a computer or the like (not shown). In addition to the transmission of image data to an external device such as a computer being carried out through the window 30 controlled by the CPU 52, the reading of maintenance data, the reading of settings and the like are also carried out through the window 30.

Thereafter, if the communication of data to an external computer is completed, the image data stored in the memory 24 is deleted. Then, in the same way as the initial digital camera 10 illustrated in Fig. 1A and 1B and 2, once again, the protection film 36 is affixed to the infrared communication device 14 so as to cover the window 30, and recycling of the digital camera 10 is performed.

As described above, by affixing the protection film 36 and reusing (recycling) the digital camera 10 which was used once, a reduction in manufacturing costs and the like can be realized.



Further, as an alternative example of the digital camera 10 of the above-described embodiment, charging may be performed by non-contact-type electromagnetic induction, instead of by contact charging by use of the charging terminals 32.

In this alternative example, there is no need to form the charging terminals 32 on the body of the digital camera, and thus no need to cover charging terminals with the protection film 36.

According to the present invention, by covering the communication section with a protecting means, the communication section can be protected easily. Therefore, the communication section can be prevented from being touched by the user, and is not dirtied nor damaged. As a result, when data communication with an external device is performed, accurate image data can be taken out from the communication section.

Further, after removing the protecting means to take out the image data from the communication section, by covering the communication section once again with the protecting means so as to set the digital camera in its original state by recycling method of the present invention, the digital camera can be recycled easily. As a result, a reduction in cost can be realized.

Figure 1 consists of 15 small plots arranged in a grid, showing the relationship between various variables and the probability of a child being in the 'No' category of the 'Child's health' variable. The variables on the x-axis include: Age, Sex, Ethnicity, Religion, Education, Income, Health Insurance, Marital Status, Number of Children, Number of Siblings, Number of Pets, Number of Rooms, Number of Bathrooms, Number of Bedrooms, Number of Kitchens, and Number of Living Rooms. The y-axis for all plots is 'Probability of No'.

a communication section which outputs image data to an external device; and

wherein, after the protecting means is removed and the image data is taken out from the communication section, the communication section is once again covered by the protecting means.

3. A method of recycling a digital camera according to claim 1, wherein said protecting means is a sheet-shaped member which is elastic.

16



Figure 1 displays 12 histograms arranged in a 6x2 grid, showing the distribution of the number of non-zero elements in the vector  $x$  for different values of  $n$ . The histograms are labeled  $n=1$  through  $n=12$ . The x-axis for all histograms is 'Number of non-zero elements' (ranging from 0 to 12), and the y-axis is 'Frequency' (ranging from 0 to 10). The distributions are roughly bell-shaped and centered around 6-7 non-zero elements.

Figure 1 displays 12 histograms arranged in a 6x2 grid, showing the distribution of the number of non-zero elements in the vector  $x$  for different values of  $n$ . The histograms are labeled  $n=1$  through  $n=12$ . The x-axis for all histograms is 'Number of non-zero elements' (ranging from 0 to 12), and the y-axis is 'Frequency' (ranging from 0 to 10). The distributions are roughly bell-shaped and centered around 6-7 non-zero elements.

Figure 1 displays 12 histograms arranged in a 6x2 grid, showing the distribution of the number of non-zero elements in the vector  $x$  for different values of  $n$ . The left column shows distributions for  $n = 10, 20, 30, 40, 50, 60$ , and the right column shows distributions for  $n = 70, 80, 90, 100, 110, 120$ . Each histogram has 'Number of non-zero elements' on the x-axis and 'Frequency' on the y-axis. The distributions are roughly bell-shaped and centered around  $n/2$ .

14. A digital camera comprising:

a communication section which outputs image data to an external device, and

a protecting cover which covers the communication section and is removed at times when the image data is output.

15. A digital camera according to claim 14, wherein the protecting cover covers the communication section and charging terminals for charging a power source.

16. A digital camera according to claim 14, wherein said protecting cover is a sheet-shaped member which is elastic.

17. A digital camera according to claim 14, wherein said protecting cover is a protection film which wraps up the communication section and the charging terminals.

18. A digital camera according to claim 14, further comprising indicating means for indicating that said protecting means was removed.



## ABSTRACT OF THE DISCLOSURE

A method for recycling a digital camera which includes: a communication section which outputs image data to an external device; and a protecting cover which covers the communication section and which is removed at times when the image data is output, wherein after the protecting cover is removed and the image data is taken out from the communication section, the communication section is once again covered by the protecting cover.

FIG. 1A

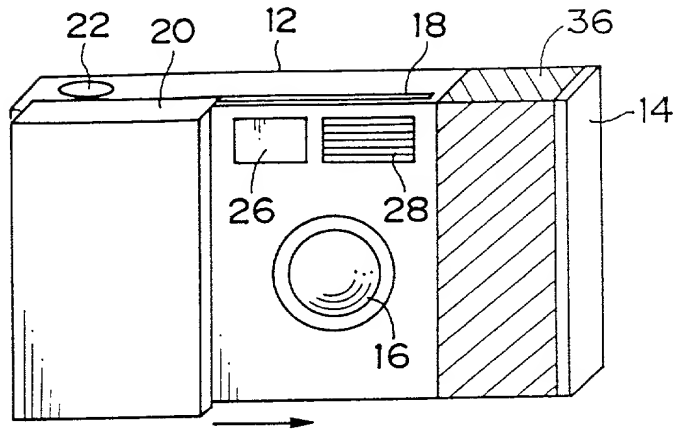


FIG. 1B

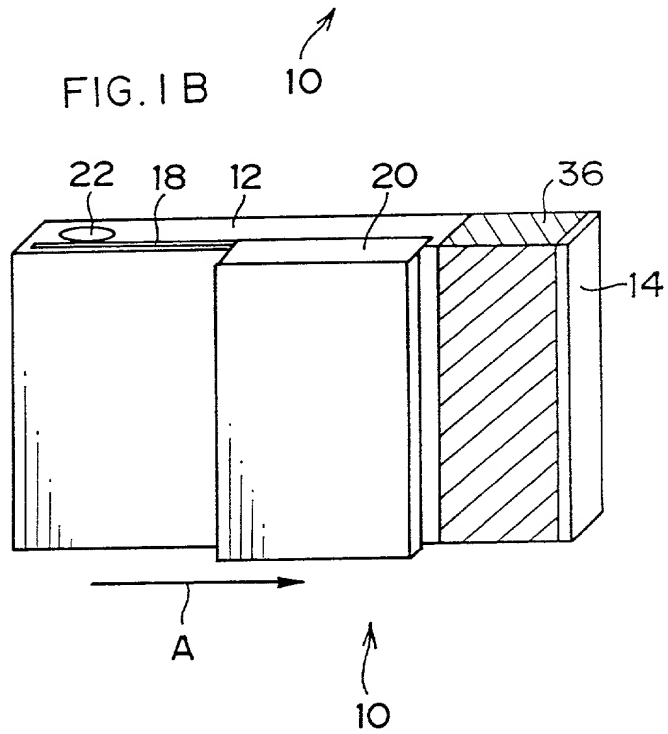




FIG. 2

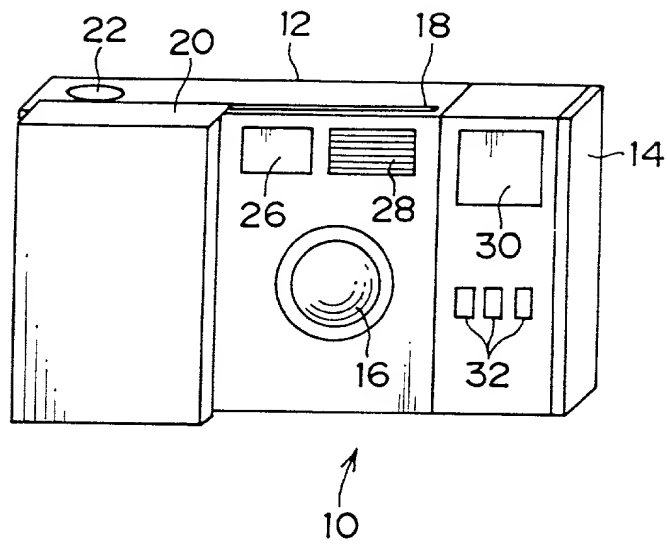


FIG. 3

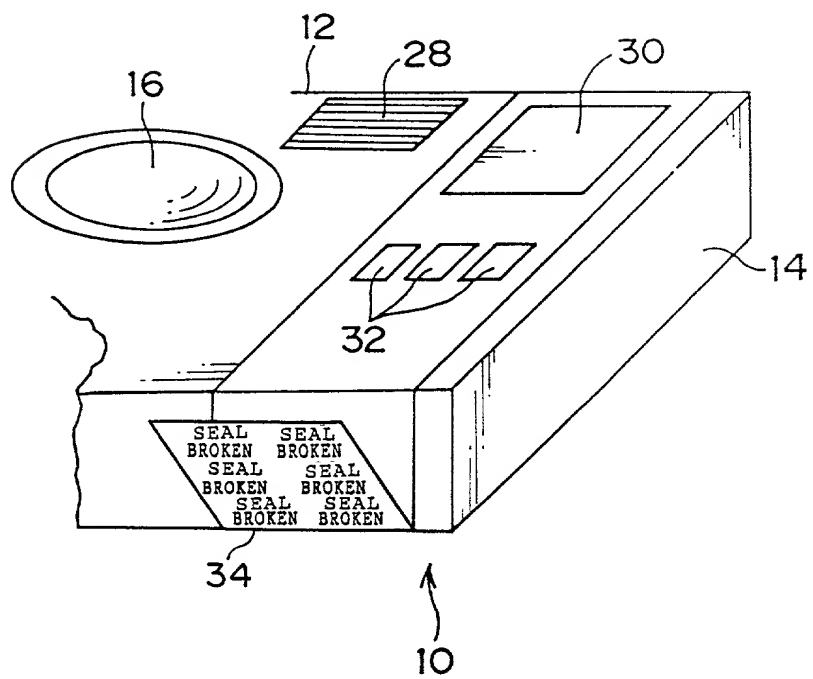
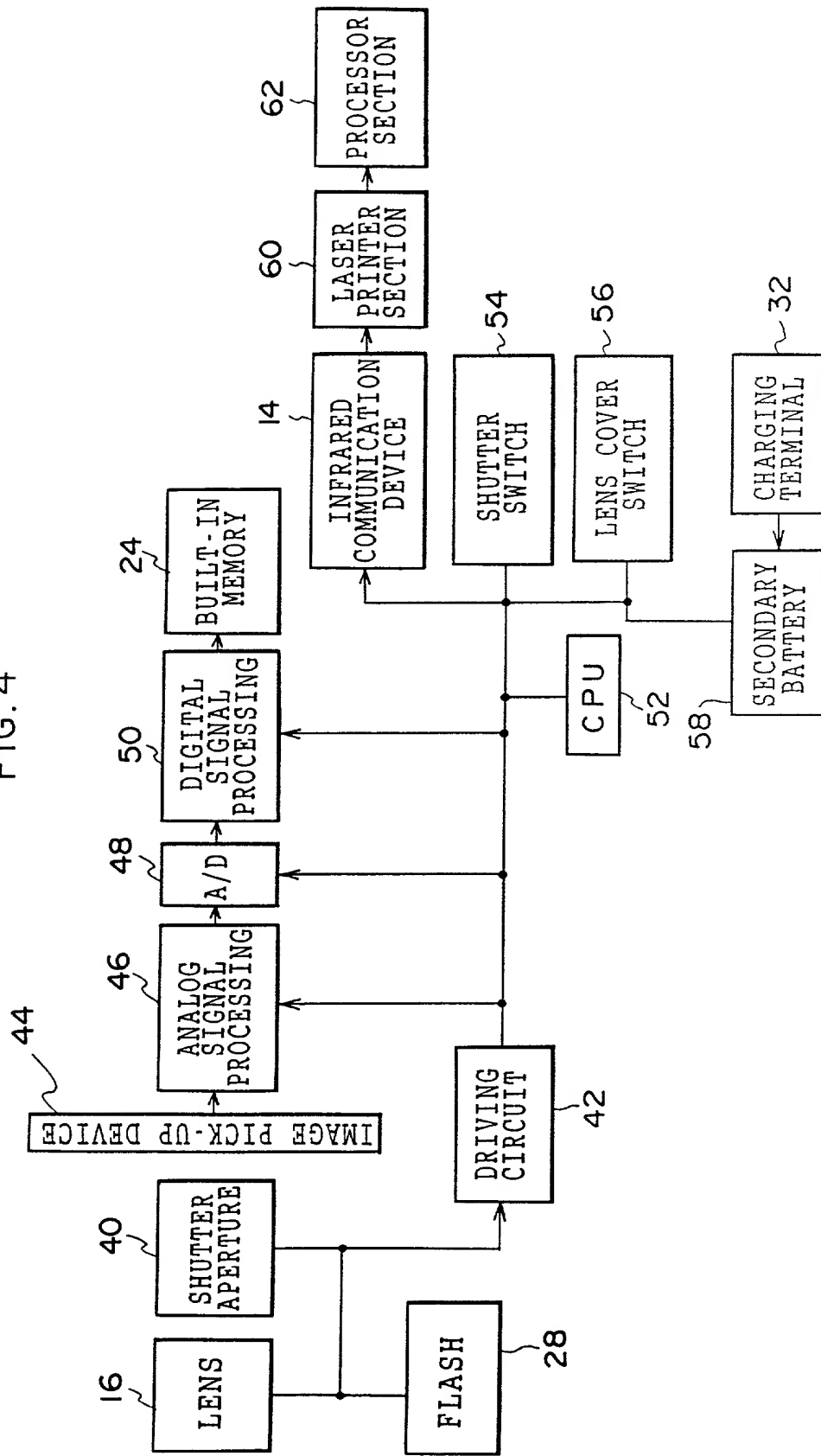


FIG. 4



# BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE:  
YOU MUST  
COMPLETE THE  
FOLLOWING:

## COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO  
1982-143P

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor ( if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

DIGITAL CAMERA AND METHOD OF RECYCLING DIGITAL CAMERA

Fill in Appropriate  
Information -  
For Use Without  
Specification  
Attached:

the specification of which is attached hereto. If not attached hereto,

the specification was filed on \_\_\_\_\_ as  
United States Application Number \_\_\_\_\_; and /or

the specification was filed on \_\_\_\_\_ as PCT  
International Application Number \_\_\_\_\_; and was  
amended under PCT Article 19 on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Insert Priority  
Information:  
(if appropriate)

➔ Prior Foreign Application(s)

11-53857  
(Number)

Japan  
(Country)

March /2 /1999  
(Month/Day/Year Filed)

Priority Claimed

<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
Yes	No

(Number)

(Country)

(Month/Day/Year Filed)

(Number)

(Country)

(Month/Day/Year Filed)

(Number)

(Country)

(Month/Day/Year Filed)

(Number)

(Country)

(Month/Day/Year Filed)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

Insert Provisional  
Application(s):  
(if any)

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More Than 12 Months (6 Months for Designs) Prior To The Filing Date of This Application:

Insert Requested  
Information:  
(if appropriate)

Country

Application No.

Date of Filing (Month/Day/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Insert Prior U.S.  
Application(s):  
(if any)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

Terrell C. Birch	(Reg. No. 19,382)	Raymond C. Stewart	(Reg. No. 21,066)
Joseph A. Kolasch	(Reg. No. 22,463)	James M. Slattery	(Reg. No. 28,380)
Bernard L. Sweeney	(Reg. No. 24,448)	Michael K. Mutter	(Reg. No. 29,680)
Charles Gorenstein	(Reg. No. 29,271)	Gerald M. Murphy, Jr.	(Reg. No. 28,977)
Leonard R. Svensson	(Reg. No. 30,330)	Terry L. Clark	(Reg. No. 32,644)
Andrew D. Meikle	(Reg. No. 32,868)	Marc S. Weiner	(Reg. No. 32,181)
Joe McKinney Muncy	(Reg. No. 32,334)	Andrew F. Reish	(Reg. No. 33,443)
C. Joseph Faraci	(Reg. No. 32,350)	Donald J. Daley	(Reg. No. 34,313)

Send Correspondence to:

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

**P.O. Box 747 • Falls Church, Virginia 22040-0747**

**Telephone: (703) 205-8000 • Facsimile: (703) 205-8050**

PLEASE NOTE:  
YOU MUST  
COMPLETE THE  
FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole  
Inventor:  
Insert Name of Inventor  
Insert Date This  
Document is Signed

Insert Residence  
Insert Citizenship

Insert Post Office  
Address

Full Name of Second  
Inventor, if any:  
see above

Full Name of Third  
Inventor, if any  
see above

Full Name of Fourth  
Inventor, if any  
see above

Full Name of Fifth  
Inventor, if any  
see above

GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE*	
Takeshi		Misawa		<i>Takeshi Misawa</i>		January 19, 2000	
Residence (City, State & Country)						CITIZENSHIP	
Asaka-shi, Saitama-ken, Japan						Japanese	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
c/o FUJI PHOTO FILM CO., LTD. of 11-46, Senzui 3-chome, Asaka-shi, Saitama-ken, Japan							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE*	
Residence (City, State & Country)						CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE*	
Residence (City, State & Country)						CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE*	
Residence (City, State & Country)						CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE*	
Residence (City, State & Country)						CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							

\* DATE OF SIGNATURE